ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

그렇게 아니까지 맛없었다요?	[12] 다 보다 가게 가게 가 가 가고하다 게 가고 된 것같습니다.		승규는 보이 그는 회사가 되었다면 가는 때 가능하게 가지 때문에 걸을 걸었다는 것을 걸었다.
Client ID:	M116125A Lg Tank	Client:	Alaskan Copper Works
Date Received:	04/05/07	Project:	% of Acid, PO# M116125, F&BI 704056
Date Extracted:	04/09/07	Lab ID:	704056-01 x10,000
Date Analyzed:	04/09/07	Data File:	704056-01 x10,000.087
Matrix:	Aqueous	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR CERTIFICATION
		Lower	Upper

근하트 19:16은 요시 17:00년 12 원 원 원 원 원 원 하는 하나라도 하고 있는데 알아난	Lower Upper	
Internal Standard: % Recovery:	Limit: Limit:	
Germanium	60 125	
Indium	60 125	Se,
Bismuth 110	60 125	
[[[선생] [[일 [[일 [] [] [] [] [] [] [] [] [] [] [] [] []	하는 아이는 아이를 하는데 없었다.	į.

[[[[[[] [[] [[] [[] [[] [[] [[] [[] [] [
일찍이 살아가 그렇게 어디와 그림을	Concentration
Analyte:	ug/L (ppb)
무료하게 맞면 작은 이 원이다니 한 다른	
Chromium	13,400,000
Nickel	13,100,000
Copper	1,910,000
Zinc	<50;000
Arsenic	12,900
Silver	<10,000
Cadmium	<10,000
Lead	<10,000
Iron (screen)	54,600,000

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M116125B Sm Tank	Client: Alaskan Copper Works
Date Received: 04/05/07	Project: % of Acid, PO# M116125, F&BI 704056
Date Extracted: 04/09/07	Lab ID: 704056-02 x5000
Date Analyzed: 04/09/07	Data File: 704056-02 x5000.086
Matrix: Aqueous	Instrument: ICPMS1
Units: ug/L (ppb)	Operator: HR
사람들이 아이들이 모든 교육하다면서 그 사람이 되었다. 그 사람들이 그 사람들이 그 사람들이 그 사람들이 그 그래?	nika katilika ahina katika katilika milita ahina katilika katilika katilika katilika katilika katilika katili

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	65	60	125
Indium	70	60	125
Bismuth	109	60	125
	Concentration		

55의 학교에 전통하는 15일이 15일	Concentration
Analyte:	ug/L (ppb)
Berthersfortberk	
Chromium	846,000
Nickel	1,640,000
Copper	985,000
Zinc	<25,000
Arsenic	<5,000
Silver	<5,000
Cadmium	<5,000
Lead	7,540
Iron (screen)	5,900,000
그렇지 않아 아니라 생기를 잃으면 하는 사람들은 그 사람들이 없는 것이 아름답지 않다.	

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

하게 되는 걸린 경우를 하지 않았다.			그렇게 그리트를 잃으로 하시다. 크리 하루는 (스크리크를 그렇게 걸
Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	% of Acid, PO# M116125, F&BI 704056
Date Extracted:	04/09/07	Lab ID:	I7-121 mb
Date Analyzed:	04/09/07	Data File:	I7-121 mb.034
Matrix:	Aqueous	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR AND THE PROPERTY OF THE PRO
	White Without the cilities of	Lower	Upper
	이 경기에 가장하는 것 같아요. 그 사람들이 가장 하는 것 같아요. 그렇게 되었다.	Lower	

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	89	60	125
Indium	87	60	125
Bismuth	101	60	125
경기, '시 호수의 '크리 '리민들의 (하니까)는 지난 편화한다		일 동안되는 것 같은 항상 되어 버릇했습니?	

강화학자의 경기를 받는 경우	
Analyte:	Concentration ug/L (ppb)
Analyte.	ug/Li (ppo)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<5
Arsenic	<1
Silver	<1
Cadmium	<1
Lead	<1
Iron (screen)	<500

ENVIRONMENTAL CHEMISTS

Date of Report: 04/12/07 Date Received: 04/05/07

Project: % of Acid, PO# M116125, F&BI 704056

Date Extracted: 04/12/07 Date Analyzed: 04/12/07

RESULTS FROM THE ANALYSIS OF AQUEOUS SAMPLES FOR SPECIFIC GRAVITY @ 15.56 C

Sample ID	Specific Gravity
Laboratory ID	
M116125A Lg Tank	1.24
704056-01	
M116125B Sm Tank	1.07
704056-02	1460-8810 1885 1885 1

ENVIRONMENTAL CHEMISTS

Date of Report: 04/12/07 Date Received: 04/05/07

Project: % of Acid, PO# M116125, F&BI 704056

Date Analyzed: 04/05/07

RESULTS FROM THE ANALYSIS OF AQUEOUS SAMPLES FOR PERCENT ACID

Sample ID			Percent Acid
Laboratory ID			
M116125A Lg Tank			10.7
704056-01			
M116125B Sm Tank	i da iy		6.5
704056-02		7,111	

ENVIRONMENTAL CHEMISTS

Date of Report: 04/12/07 Date Received: 04/05/07

Project: % of Acid, PO# M116125, F&BI 704056

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AQUEOUS SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 703324-01 (Duplicate)

화송부터 가장양하다 말하다				Relative	
Mir., Mis., Ali		Sample	Duplicate	Percent	Acceptance
Analyte	Reporting Uni	ts Result	Result	Difference	Criteria
Chromium	ug/L (ppb)	<1	<1	nm	0-20
Nickel	ug/L (ppb)	<1	1.07	nm	0-20
Copper	ug/L (ppb)	1.85	1.81	2	0-20
Zinc	ug/L (ppb)	8.15	7.97	2	0-20
Arsenic	ug/L (ppb)	1.06	1.00	6	0-20
Silver	ug/L (ppb)	<1	<1	nm	0-20
Cadmium	ug/L (ppb)	<1	<1	nm	0-20
Lead	ug/L (ppb)	<1	<1	nm	0-20

Laboratory Code: 703324-01 (Matrix Spike)

				Percent	
		Spike	Sample	Recovery	Acceptance
Analyte	Reporting Unit	s Level	Result	MS	Criteria
Chromium	ug/L (ppb)	20	<1	94	50-150
Nickel	ug/L (ppb)	20	<1	98	50-150
Copper	ug/L (ppb)	20	1.85	91	50-150
Zinc	ug/L (ppb)	50	8.15	91	50-150
Arsenic	ug/L (ppb)	10	1.06	99	50-150
Silver	ug/L (ppb)	5	<1	100	50-150
Cadmium	ug/L (ppb)	5	<1	105	50-150
Lead	ug/L (ppb)	10	<1	104	50-150

Laboratory Code: Laboratory Control Sample

			Percent	
		Spike	Recovery	Acceptance
Analyte	Reporting Uni	ts Level	LCS	Criteria
Chromium	ug/L (ppb)	20	91	70-130
Nickel	ug/L (ppb)	20	98	70-130
Copper	ug/L (ppb)	20	94	70-130
Zinc	ug/L (ppb)	50	88	70-130
Arsenic	ug/L (ppb)	10	96	70-130
Silver	ug/L (ppb)	5	99	70-130
Cadmium	ug/L (ppb)	5	95	70-130
Lead	ug/L (ppb)	10	96	70-130
Copper Zinc Arsenic Silver Cadmium	ug/L (ppb) ug/L (ppb) ug/L (ppb) ug/L (ppb) ug/L (ppb) ug/L (ppb)	20 50 10 5 5	94 88 96 99 95	70-130 70-130 70-130 70-130 70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/12/07 Date Received: 04/05/07

Project: % of Acid, PO# M116125, F&BI 704056

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AQUEOUS SAMPLES FOR SPECIFIC GRAVITY

@ 15.56 C

Laboratory Code: 704056-02 (Duplicate)

	Sample	Duplicate	Relative Percent	Acceptance
Analyte	Result	Result	Difference	Criteria
Specific Gravity	1.07	1.06	0.8	0-2

ENVIRONMENTAL CHEMISTS

Date of Report: 04/12/07 Date Received: 04/05/07

Project: % of Acid, PO# M116125, F&BI 704056

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF AQUEOUS SAMPLES FOR PERCENT ACID

Laboratory Co	de: 7040	056-02 (D	uplicate)				
Analyte		Sample	Duplicate	Relative Percent	Acceptance		
	4.00	Result	Result	Difference	Criteria		
Percent Acid	420 MAN	6.48	6.22	4	0-20		

704056.	SAMPLE CHAIN OF CUSTODY ME 04/05/07												AIS								
Can any those of the canal and																					
Send Report To 2000 Though					CT NA	ME/NO.				一		PO	#	\dashv	TURNAROUND TIME Standard (2 Weeks) RUSH \(\sqrt{2} \sqrt{2} \sqrt{3} \)						
Company Alaska Copper cronks				0/00	f.	Aeil					m,	116/25 Rush charges authorized by:							d by:		
Address Old J. MANOR 3								_	SAMPLE DISPOSAL												
City, State, ZIP Seattle WA 78/34				REMARKS PCEASE Sal							☐ Dispose after 30 days										
Phone # 206-571-6033	Fax # 206	-387-43	39_	, case say								☐ Return samples ☐ Will call with instructions									
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Sample ID	Lab ID	Date.	Time	Sampl	е Туре	containers	H-D	I-Ga	X by	3 by	Cs b			9	3	SA		No	tes		
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Friedman & Bruya, Inc. 3012 16th Avenue West	Relinquished	, SIGNATO) N.C		PRINT NAME					COMPANY					-	DATE 7/5/67	TIME				
Seattle, WA 98119-2029	Received by:				Whan Phan				FEBI						4/5/07	11:10					
Ph. (206) 285-8282	Relinquished by:					1 - Man Johns					10-				7	1/2/01	11.10				
Fax (206) 283-5044	Received by:				 												+				

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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

April 12, 2007

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on April 5, 2007 from the % of Acid, PO# M116125, F&BI 704056 project. There are 8 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures ACU0412R.DOC